

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (currently amended) A hardware device for performing a task in an installation, ~~the device having comprising~~ means for generating and reporting status data ~~to a computer~~ indicative of a status of the device or the installation; ~~characterized by~~ a memory for storing ~~having stored therein~~ a stylesheet for creating a pictorial representation of the device, so that a ~~whereby the computer can access the stylesheet and as well as the status data from the device, to create the pictorial representation of the device and to populate the pictorial representation of the device with the status data.~~

2. (currently amended) ~~The A combination of a hardware device according to claim 1~~ 19 further comprising ~~and a computer for receiving the stylesheet from the hardware device to enable the computer to create the pictorial representation of the hardware device and to populate the pictorial representation populated with the status data.~~

3. (currently amended) ~~A~~ The hardware device combination according to claim 2, wherein the computer for receiving the stylesheet is arranged as an Internet/Intranet web server for delivering the pictorial representation to a remote computer ~~connected thereto~~, for display at the remote computer.

4. (currently amended) ~~A~~ The computer for receiving a stylesheet from a hardware device according to claim 1 ~~2 wherein to create the pictorial representation of the hardware device populated with the status data, the computer having includes~~ means for analysing the status data to create derived status data; and ~~[means]~~ for ~~[further]~~ populating the stylesheet with the derived status data.

5. (currently amended) ~~The hardware device~~ A computer according to claim 4; wherein the means for analysing the status data comprises a data trend analysis software module.

6. (currently amended) ~~The hardware device~~A computer according to claim 4 ~~or 5,~~
wherein the computer for receiving the stylesheet to create the pictorial representation of the
hardware device and to populate the pictorial representation with the status data comprises a
plurality of further comprising means for receiving status data from a plurality of hardware
devices communicating by means of computers for receiving status data from corresponding
ones of a plurality of hardware devices, said plurality of computers having different Internet
Protocol addresses within the installation, and wherein the means for analysing the status data
comprises a performs analysis by comparison of the status data from the different corresponding
ones of the plurality of hardware devices.

7. (currently amended) ~~The hardware device~~A computer according to claim 4, ~~5 or~~
~~6,~~ further comprising means for modifying the stylesheet to accommodate the derived status
data.

8. (currently amended) ~~The hardware device~~A computer according to ~~any one of the~~
~~preceding claims,~~ 3 wherein the status data is in extensible mark-up language (XML) and the
stylesheet is in extensible stylesheet language (XSL).

9. (currently amended) A manufacturing or service installation comprising a
plurality of hardware devices according to claim 1, ~~each~~ at least two of the plurality of hardware
devices having sensing means for sensing an operating parameter and for reporting status data ~~to~~
~~a computer~~ indicative of a status of the installation, and a computer connected to the at least two
of the plurality of hardware devices for receiving and storing stylesheets and status data from the
at least two of the plurality of hardware devices and for creating a composite pictorial
representation of the plurality of hardware devices and populating the composite pictorial
representation with the status data.

10. (currently amended) A server for connecting to equipment to be monitored, the
server having an internet protocol (IP) address and comprising a database for receiving and
storing data from the equipment, ~~and~~ means for communicating, to a remote application
addressing the server by its IP address, data representative of a current status of the equipment
and a stylesheet representative of the equipment independent of status, ~~whereby,~~ so that at the

remote application; a pictorial representation of the equipment can be generated from the stylesheet and the pictorial representation can be populated with data representing the current status of the equipment.

11. (currently amended) ~~A~~The server according to claim 10 further comprising an active server page file that interrogates the database to create a dynamic file that is accessible from the remote application.

12. (currently amended) ~~A computer for connecting to the~~a server for connecting to equipment to be monitored, the server having an internet protocol (IP) address and comprising a database for receiving and storing data from the equipment, means for communicating to a remote application addressing the server by its IP address data representative of a current status of the equipment and a stylesheet representative of the equipment independent of status, so that at the remote application a pictorial representation of the equipment can be generated from the stylesheet and the pictorial representation can be populated with data representing the current status of the equipment of claim 10; and wherein the computer comprises:

means for accessing ~~such a~~the server;

means for receiving ~~therefrom~~from the server and storing (a) a stylesheet representation of the equipment defining a web file and (b) status data; representative of a current status of the equipment; for populating that file; and

means for communicating the file, populated with the status data, to a remote computer.

13. (currently amended) ~~A~~The computer according to claim 12; wherein the means for receiving are arranged ~~also~~ to receive derived status data derived on the server by analysis of the status data received from the equipment and means for ~~addeding~~adding the derived status data to the status data displaying the derived status data and the status data together using the same stylesheet.

14. (currently amended) ~~A~~The computer according to claim 13; further comprising means for locally modifying the stylesheet to accommodate the status data and the derived status data.

15. (original) A data carrier having stored thereon instructions and data for loading into a computer associated with a hardware device for performing a task in an installation, the instructions and data including a stylesheet representation of the hardware device, which, when loaded into the computer, enable the computer to generate and report status data to a remote computer indicative of a status of the device or the installation, and to generate a pictorial representation of the device, ~~whereby so that~~ the stylesheet as well as the status data can be accessed from the hardware device and its associated computer, to create the pictorial representation at the remote computer and to populate the pictorial representation with the status data at that remote computer.

16. (original) A method of operation of a manufacturing or service installation comprising:

providing at least one hardware device for performing a task in the installation, the device having means for generating and reporting status data to a computer indicative of a status of the device or the installation, characterized by a memory having stored therein a stylesheet for creating a pictorial representation of the device;

sensing an operating parameter in the hardware device and reporting status data to a computer indicative of a status of the device,

accessing the stylesheet as well as the status data by the computer from the device;

creating a pictorial representation of the device; and

populating the pictorial representation with the status data using the stylesheet.

17. (currently amended) ~~A~~The method according to claim 16; further comprising receiving and storing a plurality of stylesheets from a plurality of hardware devices, creating a composite pictorial representation of the plurality of hardware devices and populating the composite pictorial representation with the status data.

18. (new) The hardware device as in claim 1 wherein the means for generating and recording is a computer.

19. (new) The hardware device as in claim 18 wherein the computer includes the memory for storing a stylesheet for creating a pictorial representation of the device.